

PTO/SB/08A (08-03)

Substitute for form 1282 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/637,847		
		Filing Date	August 7, 2003		
		First Named Inventor	Carl L. Hansen		
		Art Unit	1732		
		Examiner Name	Edmund H. Lee		
Sheet	1	of	4	Attorney Docket Number	20174C-004940US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A54	US-2002-0037499 A1	03-28-2002	Quake et al.	
	A55	US-2002-0145231 A1	10-10-2002	Hansen et al.	
	A56	US-2003-0061687 A1	04-03-2003	Hansen et al.	
	A57	US-2003-0096310 A1	05-22-2003	Hansen	
	A58	US-2005-0019794 A1	01-27-2005	Nassef et al.	
	A59	US-2005-0062196 A1	03-24-2005	Hansen et al.	
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FOREIGN PATENT DOCUMENTS								
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
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	C175	WESELAK, MARK et al., "Robotics For Automated Crystal Formation And Analysis," Methods in Enzymology, pp. 1-13, 2002	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **13****Complete if Known**

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		Number Kind Code ² (if known)			
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	A2	US-3,747,628	07-24-1973	Holster et al.	
	A3	US-4,046,159	09-06-1977	Pegourie	
	A4	US-4,119,368	10-10-1978	Yamakazi	
	A5	US-4,153,855	05-08-1979	Feingold	
	A6	US-4,245,673	01-20-1981	Bouteille et al.	
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	A8	US-4,898,582	02-06-1990	Faste	
	A9	US-4,892,312	02-12-1991	Frisch	
	A10	US-5,085,562	02-04-1992	Van Lintel	
	A11	US-5,088,515	02-18-1992	Kamen	
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	A13	US-5,126,115	06-30-1992	Fujita et al.	
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	A20	US-5,336,062	08-09-1994	Richter	
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	A31	US-5,681,024	10-28-1997	Lisec et al.	
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	A37	US-5,842,787	12-01-1998	Kopf-Sill et al.	
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	A53	US-6,767,706 B2	07-27-2004	Quake et al.	

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	B1	EP	0 592 094	A2	04-13-1994	International Business Machines Corporation		<input type="checkbox"/>
	B2	EP	0 703 364	A1	03-27-1996	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.		<input type="checkbox"/>
	B3	EP	0 706 004	A2	04-10-1996	Bayer Corporation		<input type="checkbox"/>
	B4	EP	0 779 436	A2	06-18-1997	Frank T. Hartley		<input type="checkbox"/>
	B5	EP	0 829 360	A2	03-18-1998	Xerox Corporation		<input type="checkbox"/>
	B6	EP	0 845 603	A1	06-03-1998	Xerox Corporation		<input type="checkbox"/>
	B7	EP	0 999 055	A2	05-10-2000	Samsung Electronics Co., Ltd.		<input type="checkbox"/>
	B8	GB	2 155 152	A	09-18-1985	Allied Corporation		<input type="checkbox"/>
	B9	GB	2 308 460	A	06-25-1997	Daewoo Electronics Co., Ltd.		<input type="checkbox"/>
	B10	WO	98/07069	A1	02-19-1998	The Regents Of The University Of Michigan		<input type="checkbox"/>
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	C1	"Biochips," Nature Biotechnology, Vol. 18, Supplement 2000, pp. IT43-IT44, 2000	
	C2	"Chapter 9: Microfluidic Devices," Micromachined Transducers Sourcebook, pp. 779-882, 1998	
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11	C16	BOUSSE, LUC et al., "Electrokinetically Controlled Microfluidic Analysis Systems," Annu. Rev. Biophys. Biomol. Struct., Vol. 29, pp. 155-181, 2000	
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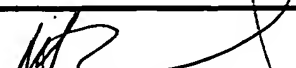
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		Filing Date	August 7, 2003		
		First Named Inventor	Carl L. Hansen		
		Art Unit	1732		
		Examiner Name	Edmund H. Lee		
Sheet	6	of	13	Attorney Docket Number	20174C-004940US

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/637,847	
			Filing Date	August 7, 2003	
			First Named Inventor	Carl L. Hansen	
			Art Unit	1732	
Examiner Name	Edmund H. Lee				
Sheet	12	of	13	Attorney Docket Number	20174C-004940US

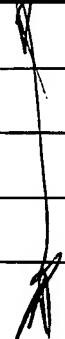
NON PATENT LITERATURE DOCUMENTS			
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	C125	VAN DE POL, F.C.M. et al., "Micro Liquid Handling Devices - A Review," Micro Systems Technologies, Vol. 90, pp. 799-805, 1990	
	C126	VERPOORTE, ELISABETH M. J. et al., "Three-Dimensional Micro Flow Manifolds For Miniaturized Chemical Analysis Systems," J. Micromech. Microeng., Vol. 7, pp. 246-256, 1994	
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	C137	XIA, YOUNAN et al., "Soft Lithography," Angew. Chem. Int. Ed., Vol. 37, pp. 551-575, 1998	
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			First Named Inventor	Carl L. Hansen	
			Art Unit	1732	
			Examiner Name	Edmund H. Lee	
Sheet	13	of	13	Attorney Docket Number	20174C-004940US

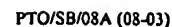
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FOREIGN PATENT DOCUMENTS								
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		Country Code ³	Number ⁴	Kind Code ⁵ (If known)				
19	1	WO	99/04361	A1	01-28-1999	Gester et al.		
	2	WO	00/00678	A1	01-06-2000	Hol et al.		
	3	WO	00/60345	A1	10-12-2000	Delucas et al.		
	4	WO	01/09595	A2	02-08-2001	Stewart et al.		
	5	WO	01/09595	A3	02-08-2001	Stewart et al.		

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		Application Number	10/637,847		
		Filing Date	August 7, 2003		
		First Named Inventor	Hansen, Carl L.		
		Art Unit	1732		
		Examiner Name	Edmund H. Lee		
Sheet	2	of	2	Attorney Docket Number	20174C-004940US

NON PATENT LITERATURE DOCUMENTS			
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<i>AL</i>	6	Ward et al., Automatic Preparation of Protein Crystals Using Laboratory Robotics and Automated Visual Inspection, Journal of Crystal Growth 90 (1988), pp. 325-339.	

Examiner Signature	<i>[Signature]</i>	Date Considered	<i>4/11/06</i>
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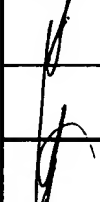
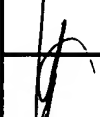
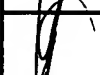
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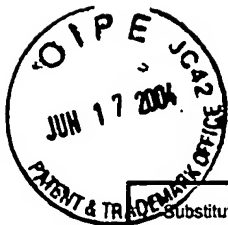
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	6	DUFFY et al. "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)", Analytical Chemistry, 1998, pp. 4974-4984, Vol. 70, No. 23.	
	7	LUFT et al., Microbatch Macromolecular crystallization in micropipettes - Structure, Function and Genetics, Journal of Crystal Growth, North-Holland Publishing Co., Amsterdam, NL., Vol. 196, No. 204, 1999, pp. 450-455.	
	8	SANJOH, A. and T. Tsukihara, "Spatiotemporal protein crystal growth studies using microfluidic silicon devices" J. Crystal Growth, 1999, pp. 691-702, vol. 196	

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	1	CARTER et al., Protein Crystallization Using Incomplete Factorial Experiments, the Journal of Biological Chemistry, 1979, pp. 12219-12223, Vol. 254, No. 23.	
	2	CARTER et al., Statistical Design of Experiments for Protein Crystal Growth and the Use of a Precrystallization Assay, Journal of Crystal Growth 90, 1998, pp. 60-73.	
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		Filing Date	August 7, 2003		
		First Named Inventor	Hansen, Carl L.		
		Art Unit	1732		
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	1	ANDERSSON et al., Consecutive Microcontact Printing - Ligands for Asymmetric Catalysis in Silicon Channel, Sensors and Actuators, B, 3997, 2001, pp 1-7.	
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PTO/SB/08A (08-03)

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First Named Inventor	Hansen, Carl L.
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Art Unit	1732
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Examiner Name	Unassigned
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FOREIGN PATENT DOCUMENTS

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